

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020813**Date Inspected:** 17-Sep-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Geng Wei**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segment Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Ramesh Gade, was present during the times noted above for observations relative to the work being performed.

This QA Inspector performed the following work:

OBG Segment 12AW

Shielded Metal Arc Welding (SMAW) in the 3F position of Counterweight side Barrier Diverter Plate weld # OBW12G-009. The welder is identified as 045246. ZPMC Quality Control (QC) is identified as Wu Shi Gao. The welding variables recorded by QC appeared to comply with WPS-B-P-2113-FCM-1. See attached photograph Pic_001.

Bay 14 / OBG Segment 13AE

Shielded Metal Arc Welding (SMAW) in the 1G position of Bottom Panel BP3032 base metal repair area. The welder is identified as 048047. ZPMC Quality Control (QC) is identified as Guo Xing Hui. The welding variables recorded by QC appeared to comply with WPS-345-SMAW-1G(1F)-repair.

Bay 14 / OBG Segment 13AE

WELDING INSPECTION REPORT

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Flux Core Arc Welding (SMAW) in the 1G position of K Plate KP3266 'I' rib weld # KP3002-001-003. The welder is identified as 044795. ZPMC Quality Control (QC) is identified as Guo Xing Hui. The welding variables recorded by QC appeared to comply with WPS-B-P-2232-TC-u4b-F. See attached photograph Pic_002.

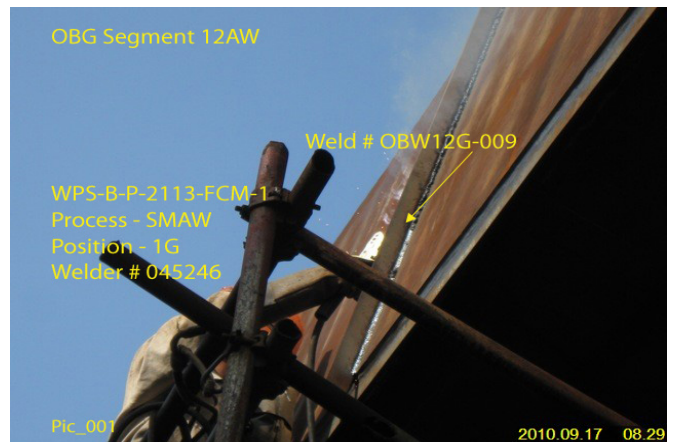
Bay 19 OBG Bike path

This QA inspector performed Magnetic Particle (MT) approximately 15% of the area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated an MT report for this date. The member is identified as OBG Bike Path as per ZPMC notification # 06695.

The weld designations reviewed are as follows:

BK004A5-004-054,116,065,084,133,129,130

BK004A5-004-015,111,024,123,045,127,025



Summary of Conversations:

No relevant conversations reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (+86)15000 42 2372, who represents the Office of Structural Materials for your project.

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| Inspected By: | Gade,Ramesh | Quality Assurance Inspector |
| Reviewed By: | McClendon,Timothy | QA Reviewer |
